

REMARKS

Reconsideration of the pending application is respectfully requested on the basis of the following particulars:

In the specification

The specification has been amended to more clearly describe an aspect of the present invention, as shown at least in Figs. 6, 8, 9, 10, 11, and 14, wherein a rotational plane defined by the fan blades is inclined relative to planes defined by the side surfaces of the radiation fins and relative to a plane defined by the top edges of the radiation fins. This amendment provides literal antecedent basis for amendments made to the claims to more clearly set forth the nature of the incline of the fan blades.

It is respectfully submitted that this amendment is clearly supported by the drawings, and is clearly apparent from the original disclosure. Therefore, no new matter has been added.

Objections to the claims

Claim 1 is objected to as not being written as a single sentence, and because the word "toward" should be deleted from the 3rd line from the end. Claim 1 has been rewritten as a single sentence, with the word "toward" deleted. In view of these amendments, withdrawal of the objection is respectfully requested.

In the claims

Claims 1 and 4 have been amended to more clearly set forth the nature of the incline of the fan blades of the present invention, wherein the fan blades define a rotational plane that is inclined relative to planes defined by side surfaces of the radiation fins and relative to a plane defined by the top edges of the radiation fins. It is respectfully submitted that these amendments clarify the structure intended by the previous claims, but do not create additional issues requiring further search or examination. Further, it is respectfully submitted that these amendments are clearly supported by the drawings, and

are clearly apparent from the original disclosure, and therefore do not introduce new matter.

Rejection of claims 1, 2, 4, and 5 under 35 U.S.C. § 102(b)

Claims 1, 2, 4, and 5 presently stand rejected as being anticipated by Wilson (U.S. 2,320,207). This rejection is respectfully traversed for the following reasons.

It is respectfully submitted that Wilson fails to disclose or suggest any incline of fan blades of Wilson's fan 24. Instead, a rotational plane of Wilson's fan blades is parallel with a plane defined by the top edges of the radiation fins (the top of the radiator), as can be seen clearly in Figs. 3 and 6. Therefore, Wilson lacks the inclined fan blades of the present invention, and accordingly Wilson fails to anticipate the claimed invention.

Thereafter, it is respectfully submitted that independent claims 1 and 4 and their respective dependent claims are allowable over the cited reference. Accordingly, the withdrawal of the rejection is respectfully requested.

Rejection of claims 1, 2, 4, and 5 under 35 U.S.C. § 103(a)

Claims 1, 2, 4, and 5 presently stand rejected as being unpatentable over Chu (U.S. 5,835,347) in view of Wiley (U.S. 6,512,673). This rejection is respectfully traversed for the following reasons.

As discussed above, claims 1 and 4 have been amended to more clearly set forth the nature of the incline of the fan blades of the present invention, wherein the fan blades define a rotational plane that is inclined relative to planes defined by side surfaces of the radiation fins and relative to a plane defined by the top edges of the radiation fins.

It is respectfully submitted that Chu and Wiley, either individually or in combination, fail to disclose or suggest each and every element set forth in the presently claimed invention because Chu and Wiley fail to disclose or suggest the inclined fan blades of the present invention.

Chu fails to disclose or suggest any inclination of fan blades at all, as the examiner observes by stating that “Chu fails to teach a frame having a triangular cross section, so that said blades are mounted in said frame at an inclined position relative to the top of said radiator.”

Further, it is respectfully submitted that Wiley fails to disclose or suggest the tilted fan blades as claimed. With reference to Wiley’s Fig. 2, it can be seen that 1) the fan (based on a rotational plane defined by the fan blades) is parallel to a plane defined by the top edges of cooling fins; and 2) while the fan is inclined (because it is mounted flush against the top edges of the fins wherein the top edges of the fins themselves are inclined), a rotational plane of the fan blades is perpendicular to the planes of each of the side surfaces of the cooling fins. Therefore, the rotational plane of the fan blades cannot be inclined relative to the planes of each of the side surfaces of the cooling fins, since it is perpendicular.

Thus, because Chu discloses no inclination of the fan blades at all, and Wiley fails to disclose or suggest the claimed inclination of the fan blades (as determined by planes defined by the rotating fan blades, the top edges of the cooling fins, and the side surfaces of the fins themselves), Chu and Wiley together fail to form a prima facie basis of obviousness of claims 1 and 4. Accordingly, it is respectfully submitted that claims 1 and 4, along with their respective dependent claims, are allowable over the cited references.

Rejection of claim 3 under 35 U.S.C. § 103(a)

Claim 3 presently stands rejected as being unpatentable over Chu and Wiley in further view of Shen (U.S. 5,495,392). This rejection is respectfully traversed for the following reasons.

Claim 3 depends from claim 1. As discussed above, Chu and Wiley together fail to form a prima facie basis of obviousness of claim 1, since Chu and Wiley together fail to disclose or suggest the claimed inclination of the fan blades.

Shen does not disclose or suggest any inclination of fan blades whatsoever. As a result, Shen fails to supplement the shortcomings of Chu and Wiley discussed above.

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Therefore, it is respectfully submitted that claim 3 is allowable over the cited references at least due to its dependence from claim 1. Accordingly, withdrawal of the rejection is respectfully requested.

Conclusion

Every effort has been made to place the application fully in condition for allowance, and to remove all issues raised by the Examiner in the Official Action.

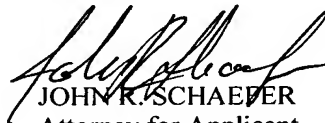
In view of the amendments to the claims, and in further view of the foregoing remarks, it is respectfully submitted that the application is in condition for allowance. Accordingly, it is requested that claims 1-5 be allowed and the application be passed to issue.

If any issues remain that may be resolved by a telephone or facsimile communication with the Applicant's attorney, the Examiner is invited to contact the undersigned at the numbers shown.

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Date: July 5, 2006

Respectfully submitted,


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